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Datasheet for ABIN7164699

**anti-PDCD6 antibody (AA 1-191) (HRP)**

## Overview

|                      |  |
|----------------------|--|
| Quantity:            | 100 µg                                   |
| Target:              | PDCD6                                    |
| Binding Specificity: | AA 1-191                                 |
| Reactivity:          | Human                                    |
| Host:                | Rabbit                                   |
| Clonality:           | Polyclonal                               |
| Conjugate:           | This PDCD6 antibody is conjugated to HRP |
| Application:         | ELISA                                    |

## Product Details

|                   |   |
|-------------------|---|
| Immunogen:        | Recombinant Human Programmed cell death protein 6 protein (1-191AA) |
| Isotype:          | IgG   |
| Cross-Reactivity: | Human   |
| Purification:     | >95%, Protein G purified  |

## Target Details

|                   |   |
|-------------------|---|
| Target:           | PDCD6   |
| Alternative Name: | PDCD6 ( <a href="#">PDCD6 Products</a> )  |
| Background:       | Background: Calcium sensor that plays a key role in processes such as endoplasmic reticulum (ER)-Golgi vesicular transport, endosomal biogenesis or membrane repair. Acts as an adapter |

that bridges unrelated proteins or stabilizes weak protein-protein complexes in response to calcium: calcium-binding triggers exposure of apolar surface, promoting interaction with different sets of proteins thanks to 3 different hydrophobic pockets, leading to translocation to membranes (PubMed:20691033, PubMed:25667979). Involved in ER-Golgi transport by promoting the association between PDCD6IP and TSG101, thereby bridging together the ESCRT-III and ESCRT-I complexes (PubMed:19520058). Together with PEF1, acts as calcium-dependent adapter for the BCR(KLHL12) complex, a complex involved in ER-Golgi transport by regulating the size of COPII coats (PubMed:27716508). In response to cytosolic calcium increase, the heterodimer formed with PEF1 interacts with, and bridges together the BCR(KLHL12) complex and SEC31 (SEC31A or SEC31B), promoting monoubiquitination of SEC31 and subsequent collagen export, which is required for neural crest specification (PubMed:27716508). Involved in the regulation of the distribution and function of MCOLN1 in the endosomal pathway (PubMed:19864416). Promotes localization and polymerization of TFG at endoplasmic reticulum exit site (PubMed:27813252). Required for T-cell receptor-, Fas-, and glucocorticoid-induced apoptosis (By similarity). May mediate Ca<sup>2+</sup>-regulated signals along the death pathway: interaction with DAPK1 can accelerate apoptotic cell death by increasing caspase-3 activity (PubMed:16132846). Its role in apoptosis may however be indirect, as suggested by knockout experiments (By similarity). May inhibit KDR/VEGFR2-dependent angiogenesis, the function involves inhibition of VEGF-induced phosphorylation of the Akt signaling pathway (PubMed:21893193). In case of infection by HIV-1 virus, indirectly inhibits HIV-1 production by affecting viral Gag expression and distribution (PubMed:27784779). Aliases: AIP1 antibody, ALG 2 antibody, ALG-2-interacting protein 1 antibody, ALG2 antibody, ALIX antibody, Apoptosis linked gene 2 antibody, Apoptosis linked gene 2 protein antibody, Apoptosis-linked gene 2 protein antibody, FLJ42309 antibody, FLJ46208 antibody, Hp95 antibody, KIAA1375 antibody, MA 3 antibody, MA3 antibody, MGC111017 antibody, MGC119050 antibody, MGC9123 antibody, PDCD 6 antibody, Pdc6 antibody, PDCD6\_HUMAN antibody, PEF 1B antibody, PEF1B antibody, Probable calcium binding protein ALG 2 antibody, Probable calcium binding protein ALG2 antibody, Probable calcium-binding protein ALG-2 antibody, Programmed cell death 6 antibody, Programmed cell death 6-interacting protein antibody, Programmed cell death protein 6 antibody, PS 2 antibody, PS2 antibody

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UniProt: [O75340](#)

Pathways: [Positive Regulation of Endopeptidase Activity](#)

## Application Details

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Application Notes: Optimal working dilution should be determined by the investigator.

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## Application Details

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Restrictions: For Research Use only

## Handling

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Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C, -80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.